MOB II LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	MARGINAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
229
Component
Diesel Engine
Fluid
PETRO CANADA DURON UHP 5W40 (--- GAL)

RECOMMENDATION

Nous avons pris note que l`huile a été vidangée et le filtre remplacé au moment de l`échantillonnage. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation. À NOTER: S.V.P. inclure, avec le prochain échantillon, des détails de la capacité du réservoir et le type et le degré de filtration.

WEAR

Nous avons noté une brusque hausse du taux de plomb. Les taux d`usure de tous les autres composants sont normaux.

CONTAMINATION

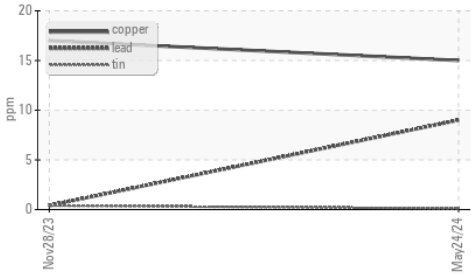
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l`huile.

FLUID CONDITION

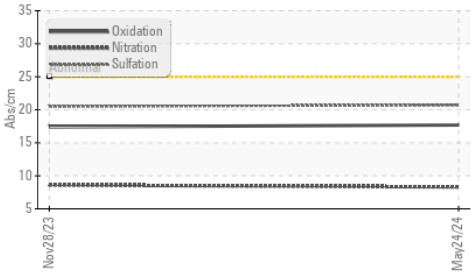
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l`huile. L`état de l`huile permet d`en prolonger l`utilisation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**PC0074239**	PC0068996	---
Sample Date		Client Info		**24 May 2024**	28 Nov 2023	---
Machine Age	hrs	Client Info		**4510**	4177	---
Oil Age	hrs	Client Info		**333**	413	---
Filter Age	hrs	Client Info		**333**	413	---
Oil Changed		Client Info		**Changed**	Changed	---
Filter Changed		Client Info		**Changed**	Changed	---
Sample Status				**MARGINAL**	NORMAL	---
Iron	ppm	ASTM D5185(m)	>65	**19**	14	---
Chromium	ppm	ASTM D5185(m)	>5	**1**	2	---
Nickel	ppm	ASTM D5185(m)	>3	**0**	<1	---
Titanium	ppm	ASTM D5185(m)	>5	**0**	0	---
Silver	ppm	ASTM D5185(m)	>2	**0**	<1	---
Aluminum	ppm	ASTM D5185(m)	>35	**10**	14	---
Lead	ppm	ASTM D5185(m)	>10	▲ **9**	<1	---
Copper	ppm	ASTM D5185(m)	>180	**15**	17	---
Tin	ppm	ASTM D5185(m)	>8	**<1**	<1	---
Vanadium	ppm	ASTM D5185(m)		**0**	0	---
Silicon	ppm	ASTM D5185(m)	>15	**3**	3	---
Potassium	ppm	ASTM D5185(m)	>20	**16**	24	---
Fuel		WC Method	>3.0	**<1.0**	<1.0	---
Water		WC Method	>0.2	**NEG**	NEG	---
Glycol		WC Method		**NEG**	NEG	---
Soot %	%	ASTM D7844*	>3	**0.1**	0.2	---
Nitration	Abs/cm	ASTM D7624*	>20	**8.3**	8.6	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	**20.7**	20.5	---
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	---
Sodium	ppm	ASTM D5185(m)		**4**	3	---
Boron	ppm	ASTM D5185(m)	65	**43**	26	---
Barium	ppm	ASTM D5185(m)	0	**0**	0	---
Molybdenum	ppm	ASTM D5185(m)	65	**57**	44	---
Manganese	ppm	ASTM D5185(m)	0	**<1**	0	---
Magnesium	ppm	ASTM D5185(m)	1160	**1022**	806	---
Calcium	ppm	ASTM D5185(m)	820	**925**	1107	---
Phosphorus	ppm	ASTM D5185(m)	1160	**994**	940	---
Zinc	ppm	ASTM D5185(m)	1260	**1166**	1122	---
Sulfur	ppm	ASTM D5185(m)	3000	**2652**	2516	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	**17.7**	17.4	---
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	**10.06**	7.13	---
Visc @ 40°C	cSt	ASTM D7279(m)	95.1	**84.5**	81.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	**13.8**	13.1	---
Viscosity Index (VI)	Scale	ASTM D2270*	169	**167**	161	---

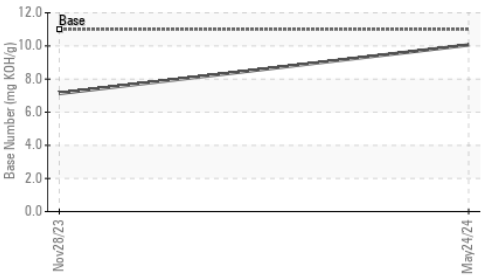
Non-ferrous Metals



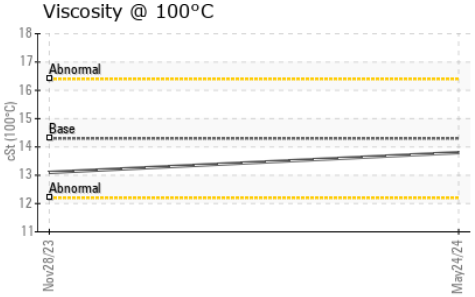
FT-IR (Direct Trend)



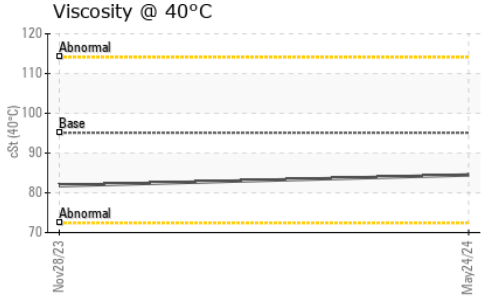
Base Number



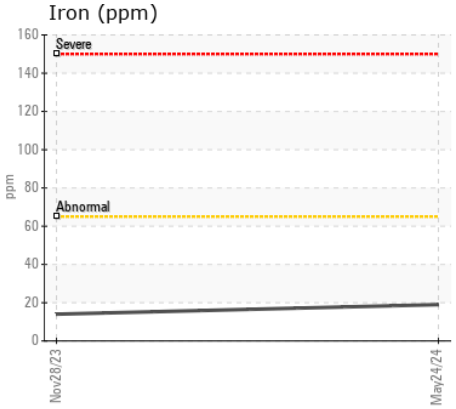
Viscosity @ 100°C



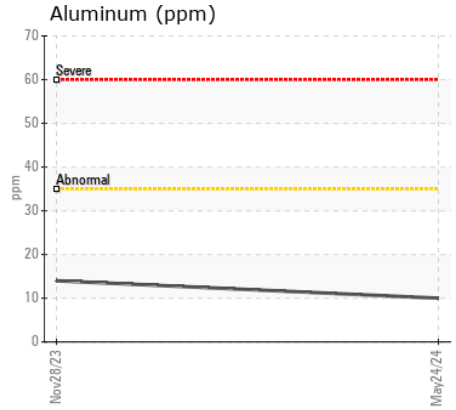
Viscosity @ 40°C



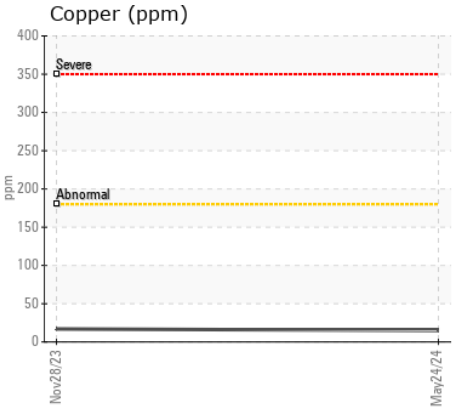
Iron (ppm)



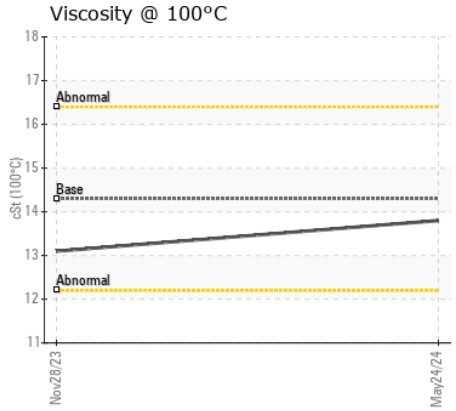
Aluminum (ppm)



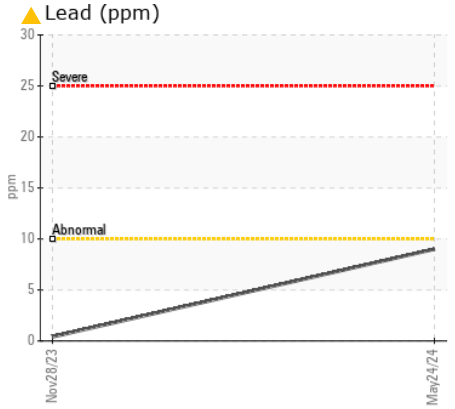
Copper (ppm)



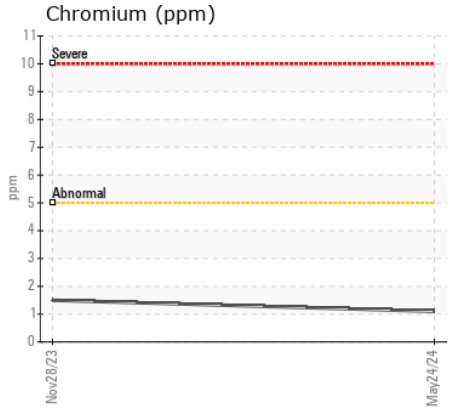
Viscosity @ 100°C



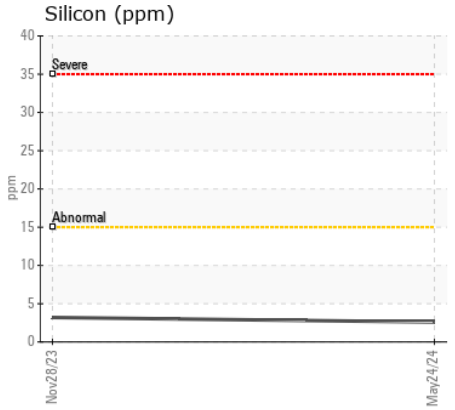
Lead (ppm)



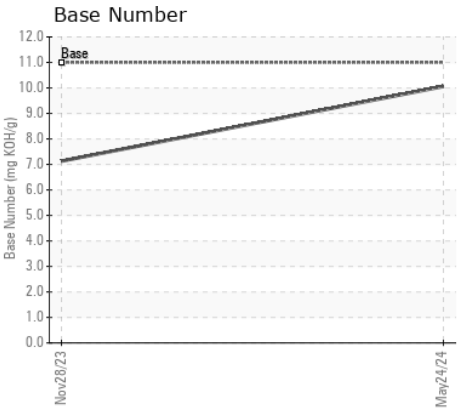
Chromium (ppm)



Silicon (ppm)



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074239 **Received** : 30 May 2024
Lab Number : 02638778 **Tested** : 30 May 2024
Unique Number : 5787940 **Diagnosed** : 30 May 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: KV40, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

CONSTRUCTION MESKANO
2990 PLACE INDUSTRIELLE
LA TUQUE, QC
CA G9X 4T1
Contact: Sylvain Blais
sylvain.blais@meskano.com
T: (819)523-4059
F: